

Standard



*Image for illustrative purpose only*

## Summary

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[High speed data transfer](#)

[Customer Drawing](#)

Protocol	USB 3.1 (10Gb/s)
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	2B
Series	B - Indoor keyed

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# Technical details

## Electrical Configuration

Insert configuration value	2B.542 - USB 3.1 (up to 10Gb/s)
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	0.35 kV DC
Vtest (contact-shell)	0.7 kV DC
Number of differentiated pairs (High speed)	3
Protocol	USB 3.1 (10Gb/s)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	34.17 g

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## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.20 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.2B.100.PCSG</a>
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## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCD.2B.ZZZ.PA120</a>

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